

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **8ILED-LD5-10-W-TWBWG-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34176)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8ILED-LD5-10-W-TWBWG-UNV-L850-CD1-U
Description: Metalux 8' ILED WITH THIN WHITE BAFFLE-HEAVY DUTY WIREGUARD
DISTRIBUTION

Light Source: (1) 5000 CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

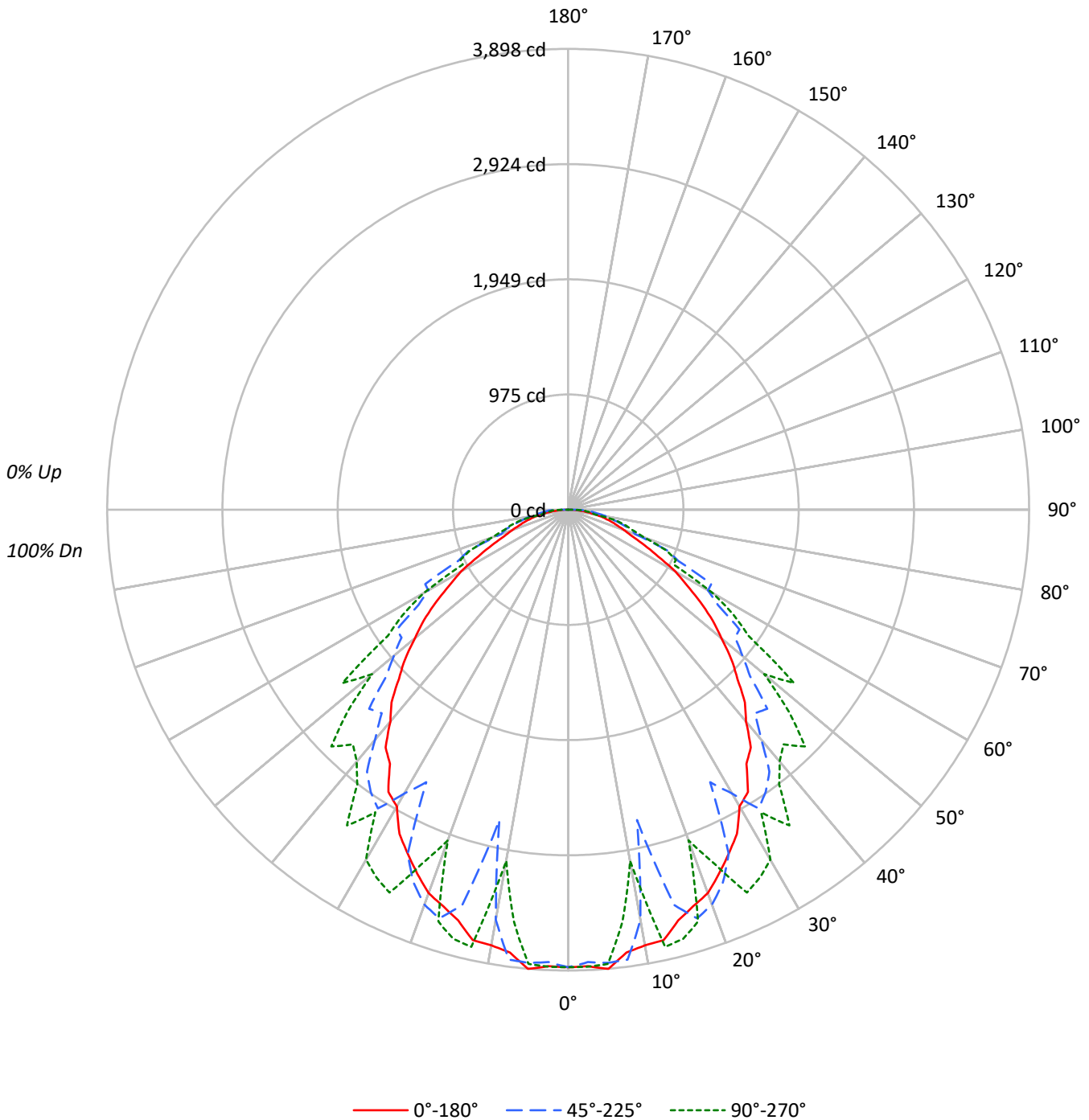
Lumens per Lamp: N/A
Luminaire Lumens: 9403.0 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.24 / 1.28
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 67
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	105	101	97	107	102	99	95	98	95	92		94	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77		83	79	75		80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56		66	60	55		64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49		60	53	48		58	52	48	46
6	72	59	50	44	70	58	49	43	56	48	43		54	48	43		53	47	42	40
7	66	53	45	39	65	52	44	38	51	43	38		49	43	38		48	42	38	36
8	62	49	40	34	60	48	40	34	47	39	34		45	39	34		44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31		42	35	31		41	35	31	29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5680	5680	5680
5°	5738	5626	5628
10°	5563	5171	4411
15°	5448	5140	5548
20°	5367	5384	4470
25°	5168	5000	5509
30°	4876	4475	5450
35°	4665	4920	5428
40°	4436	4540	4881
45°	4150	4552	5302
50°	3808	3988	4370
55°	3429	4029	4120
60°	3005	3485	3483
65°	2411	3010	2826
70°	2073	2094	2245
75°	1967	2010	1996
80°	1812	1893	1183
85°	1680	1708	1125



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.9	3.8
10°-20°	990.2	10.5
20°-30°	1431.5	15.2
30°-40°	1792.9	19.1
40°-50°	1745.3	18.6
50°-60°	1493.9	15.9
60°-70°	926.7	9.9
70°-80°	482.2	5.1
80°-90°	187.3	2.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2774.7	29.5
0°-40°	4567.6	48.6
0°-60°	7806.7	83.0
0°-90°	9403.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9403.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3870	3870	3870	3870	3870	
5°	3898	3886	3847	3832	3856	364
15°	3597	3610	3460	3777	3757	1018
25°	3210	2660	3211	3301	3574	1475
35°	2626	2737	2911	2887	3261	1659
45°	2024	1817	2381	2435	2833	1566
55°	1364	1493	1768	2110	1861	1220
65°	713	800	1026	869	1004	723
75°	363	422	468	503	495	384
85°	114	152	201	231	150	122
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3870.0	3870.0	3870.0	3870.0	3870.0
2.5°	3865.5	3848.9	3830.9	3862.5	3868.5
5°	3898.5	3886.5	3847.4	3832.4	3856.5
7.5°	3776.9	3802.4	3838.4	3643.4	3517.3
10°	3740.9	3727.4	3521.8	2711.5	3016.1
12.5°	3728.9	3712.4	2689.0	3769.4	3787.4
15°	3596.9	3610.4	3460.3	3776.9	3757.4
17.5°	3515.8	3329.8	3623.9	3686.9	3652.4
20°	3451.3	2902.1	3554.8	3386.8	2975.6
22.5°	3332.8	2474.4	3416.8	2717.5	3245.7
25°	3209.7	2660.5	3211.2	3301.2	3574.3
27.5°	3091.2	3014.6	2597.5	3445.3	3509.8
30°	2897.6	2989.1	2771.5	3373.3	3418.3
32.5°	2830.1	2854.1	2996.6	3185.7	3035.6
35°	2626.0	2737.0	2911.1	2887.1	3260.7
37.5°	2536.0	2567.5	2794.1	3040.1	2929.1
40°	2339.4	2387.4	2540.5	2686.0	2780.5
42.5°	2211.8	2051.3	2334.9	2603.5	2693.5
45°	2024.3	1817.2	2381.4	2435.4	2833.1
47.5°	1871.2	1805.2	2084.3	2534.5	2534.5
50°	1692.6	1779.7	1925.2	2264.4	2162.3
52.5°	1539.6	1658.1	1776.7	1968.7	2408.4
55°	1364.0	1493.1	1767.7	2109.8	1860.7
57.5°	1191.4	1301.0	1500.6	1616.1	1659.6
60°	1045.9	1152.4	1364.0	1452.5	1410.5
62.5°	858.3	993.4	1364.0	1144.9	1003.9
65°	712.8	799.8	1026.4	868.8	1003.9
67.5°	585.2	675.3	912.3	838.8	894.3
70°	499.7	564.2	603.2	750.3	679.8
72.5°	427.7	474.2	552.2	567.2	564.2
75°	363.1	421.7	468.2	502.7	495.2
77.5°	301.6	384.1	385.6	462.2	402.2
80°	229.6	262.6	333.1	301.6	226.6
82.5°	168.1	205.6	253.6	261.1	199.6
85°	114.0	151.6	201.1	231.1	150.1
87.5°	52.5	103.5	163.6	207.1	136.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)